FIG. 1

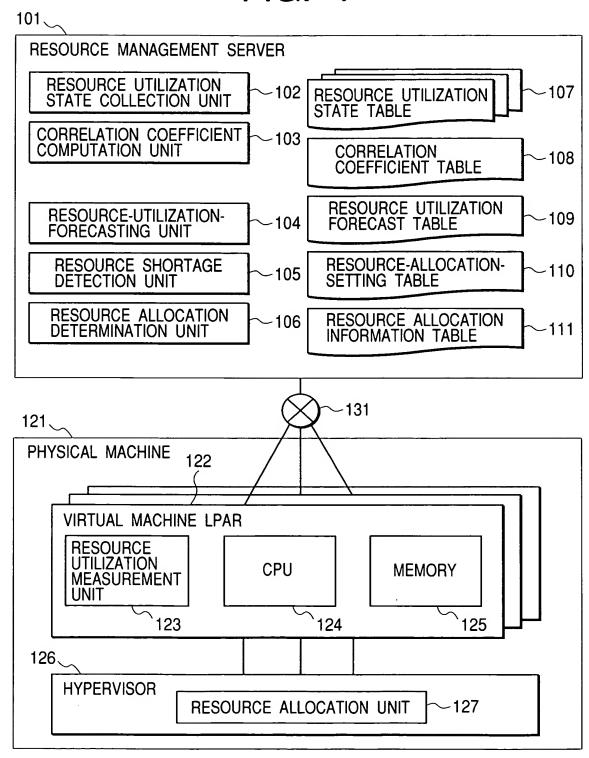


FIG. 2

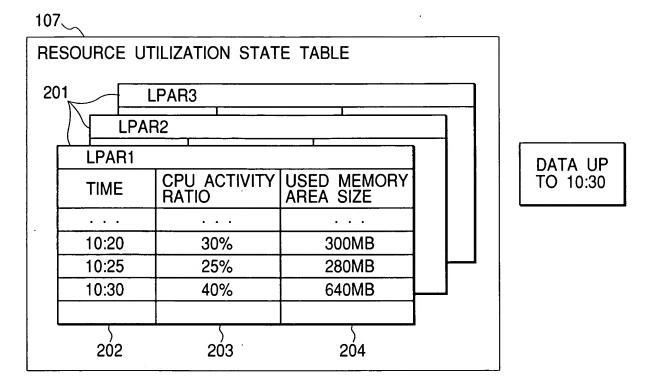


FIG. 3

CORRELATION	108		
	LPAR1	LPAR2	LPAR3
LPAR1	1	0.1	0.7
LPAR2	0.1	1	0.3
LPAR3	0.7	0.3	1
301	302	303	304

FIG. 4

RESOURCE UTILIZATION FORECAST TABLE 109					
	FORECASTED CPU ACTIVITY RATIO	FORECASTED USED MEMORY AREA SIZE	DATA		
LPAR1	50%	1200MB	FORECASTED AT 10:35		
LPAR2	10%	60MB	A1 10.55		
LPAR3	20%	280MB			
401	402	403	•		

RESOURCE-ALLOCATION-SETTING TABLE

110

	CPU ALLOCATION RATIO		ALLOCATED MEMORY AREA SIZE	
	MAXIMUM	MINIMUM	MAXIMUM	MINIMUM
LPAR1	70%	10%	1600MB	256MB
LPAR2	30%	10%	512MB	64MB
LPAR3	70%	10%	1500MB	128MB
501	502	503	504	505

RESOURCE ALLOCATION INFORMATION TABLE 111a (BEFORE CHANGE) ALLOCATED MEMORY AREA SIZE CPU ALLOCATION **RATIO ALLOCATIONS** AT 10:30 LPAR1 40% 1600MB LPAR2 30% 512MB LPAR3 30% 1500MB 5 601 602 603 THE RESOURCE ALLOCATION **DETERMINATION UNIT** CHANGE ALLOCATIONS

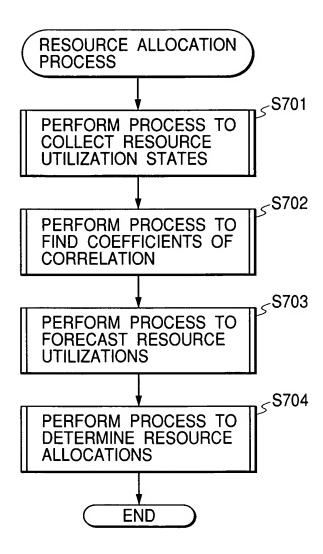
RESOURCE ALLOCATION INFORMATION TABLE (AFTER CHANGE)

,111b

	CPU ALLOCATION RATIO	ALLOCATED MEMORY AREA SIZE
LPAR1	50%	1200MB
LPAR2	21%	70MB
LPAR3	29%	330MB
601	602	603

NEW ALLOCATIONS

FIG. 7



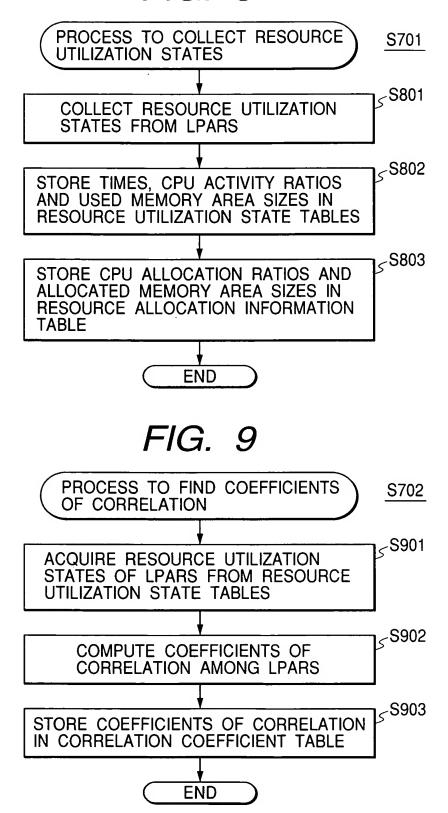
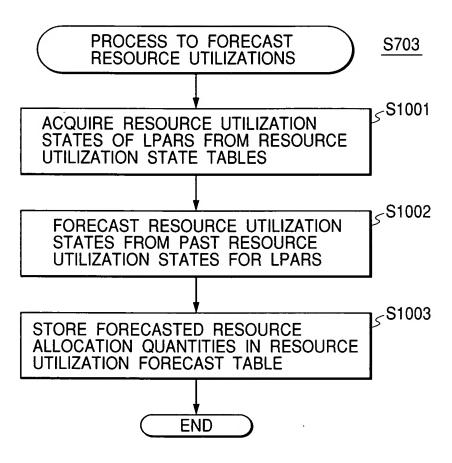
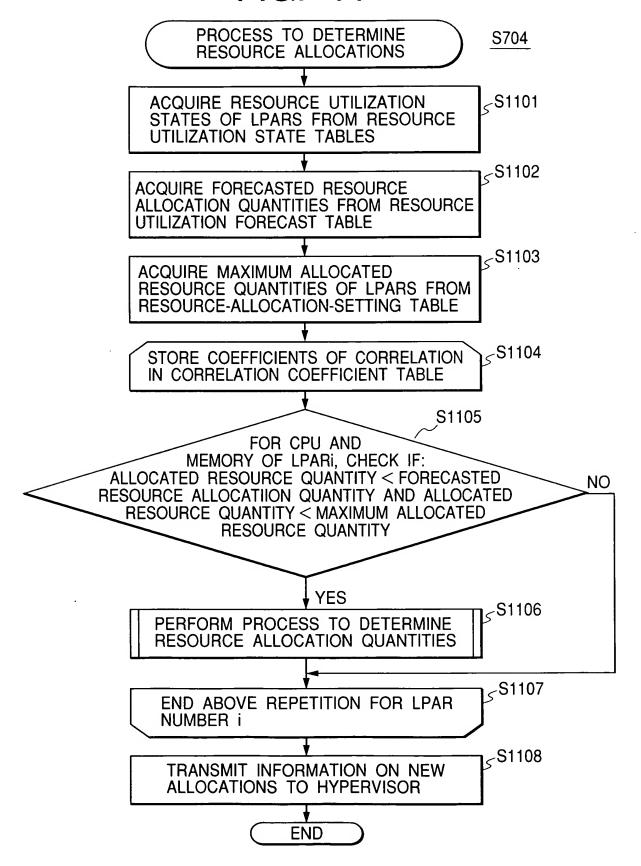


FIG. 10



8 / 10



PROCESS TO DETERMINE S1106 ALLOCATED RESOURCE QUANTITIES ACQUIRE FORECASTED RESOURCE ALLOCATION 5 S1201 QUANTITIES OF LPARS FROM RESOURCE UTILIZATION FORECAST TABLE <S1202 ACQUIRE ALLOCATED RESOURCE QUANTITIES OF LPARS FROM RESOURCE ALLOCATION INFORMATION TABLE S1203 COMPUTE RESOURCE ALLOCATION SHORTAGE di OF LPARI AS FOLLOWS: di = FORECASTED RESOURCE ALLOCATION QUANTITY-ALLOCATED RESOURCE QUANTITY S1204 COMPUTE FORECASTED SURPLUS RESOURCE QUANTITY si OF LPARI AS FOLLOWS: si = ALLOCATED RESOURCE QUANTITY-FORECASTED RESOURCE ALLOCATION QUANTITY (FOR $s_i < 0$, SET s_i AT 0) ≤S1205 ACQUIRE CORRELATION COEFFICIENT kij BETWEEN LPARI AND LPARI FROM CORRELATION COEFFICIENT TABLE ₅ S1206 REPEAT FOLLOWING FOR LPAR NUMBERS i = 1, 2 AND 3 S1207 CHANGE ALLOCATED RESOURCE QUANTITIES OF LPARI ON THE BASIS OF di, kij AND sj <\$1208 END ABOVE REPETITION FOR LPAR NUMBERS i **1**≤S1209 STORE POST-CHANGE ALLOCATED RESOURCE QUANTITIES IN RESOURCE ALLOCATION INFORMATION TABLE **END**

FIG. 13

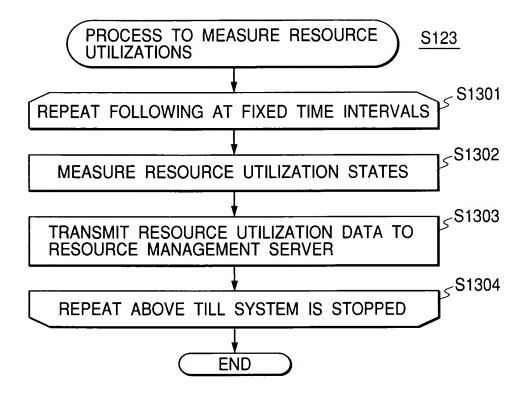


FIG. 14

